

FIG. 3

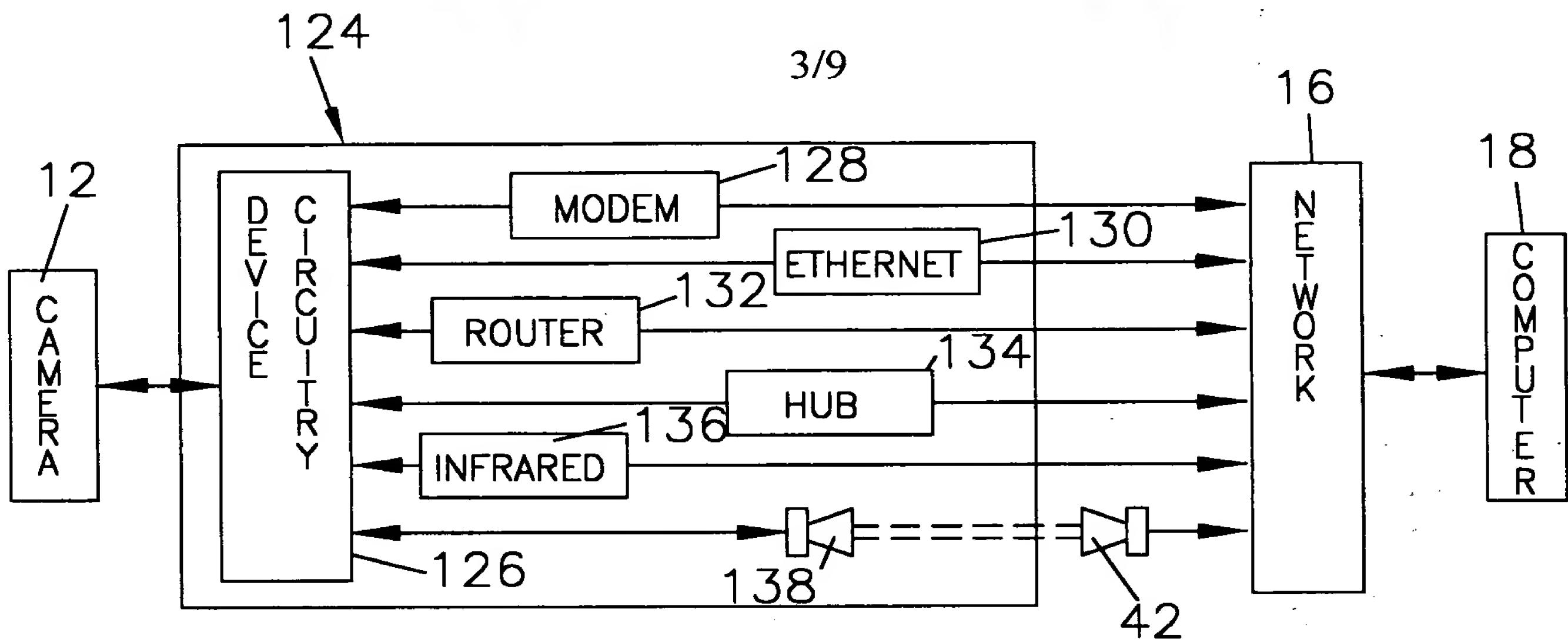


FIG. 3

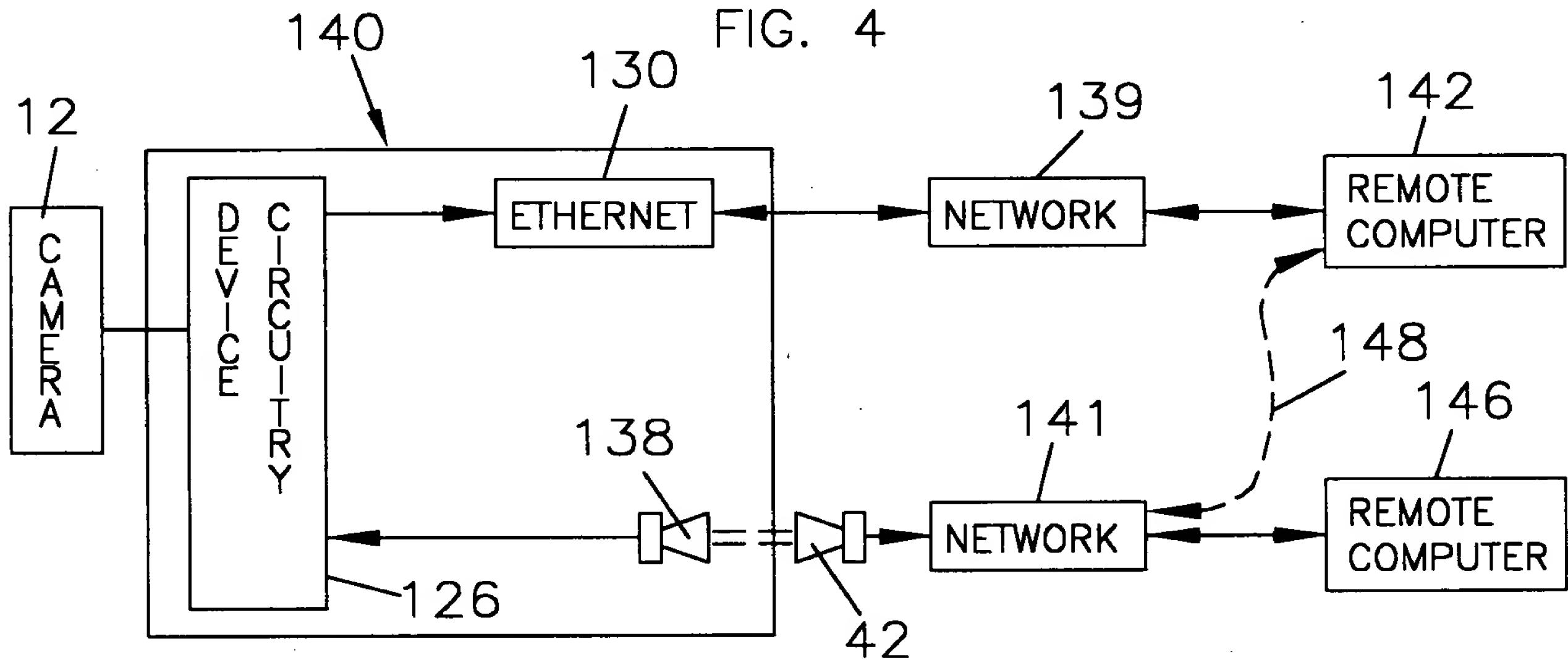


FIG. 4

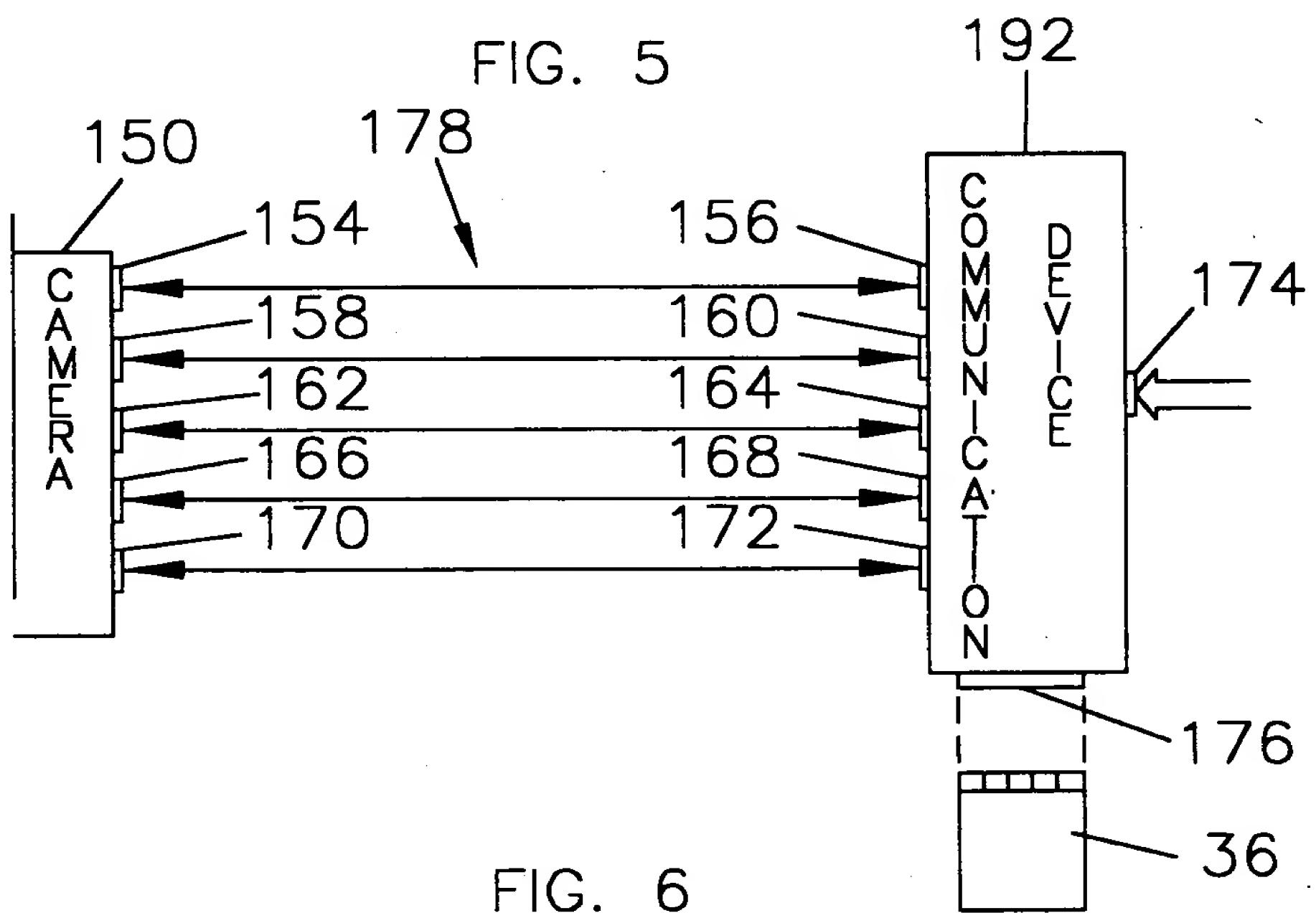


FIG. 6

DEVICE CONNECTION TO NETWORK	DEVICE TO NETWORK PROTOCOLS	DEVICE INFORMATION RE CAMERA	DEVICE INFORMATION FROM CAMERA
* TELEPHONY (MODEM)	* TCP/IP	* CAMERA SERIAL NUMBER	* IMAGES
CONNECTION			
* ETHERNET CONNECTION	* MAIL CLIENT	* USER NAME	* VOICE ANNOTATION
* ROUTER	* CORBA/IIOP	* DATE AND TIME OF TRANSMISSION	* OVERLAY ANNOTATION
* HUB	* X-MODEM		* DATE AND TIME OF CAPTURE
* INFO-RED CONNECTION	* Z-MODEM		* USER NAME OF PHOTOGRAPHER
* CELLULAR CONNECTION		ETC.	
* UNLICENSED WIRELESS			
FREQUENCIES			
* SATELLITE COMMUNICATION			
ETC.			
DEVICE INFORMATION RE DESTINATION			
PHONE NUMBER			
IP ADDRESS			
USER ACCOUNT NAME			
USER LOGIN			
USER PASSWORD			
ETC.			
OPERATIONAL INFORMATION FOR DEVICE AND/OR CAMERA			
* PHONE NUMBER TO CALL			
* IP ADDRESS			
* OPERATION TO BE PERFORMED ON IMAGES			
* PASSWORD (E.G. PUBLIC KEY PASSWORD)			
ETC.			
INSTRUCTION TO CAMERA FROM DEVICE			
* LIVE IMAGE			
* TAKE IMAGE			
* DELETE IMAGES			
* CHANGE CAMERA RESOLUTION			
* CHANGE FILE FORMAT			
* TURN FLASH ON/OFF			
* REMOTE FOCUS			
* WHITE BALANCE			
* APPLICATION OF DIGITAL FILTERING ON THE IMAGES WHILE CAPTURING THE IMAGES			
* REMOTE OPTICAL ZOOMING			
* REMOTE OPTICAL EXPOSURE (CHANGE F-STOP, BRACKET IMAGE EXPOSURE TIME ETC.)			
* REMOTE DIGITAL EXPOSURE (CHANGE GAIN, OFFSET, CCD EXPOSURE TIME ETC.)			
* DIGITAL ZOOMING			
* SELECTION OF ROI (E.G. FOR DIGITAL ZOOMING, IMAGE PROCESSING, FILTERING ETC.)			
ETC.			

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FIG. 7

## DEVICE OPERATIONS ON IMAGE DATA

## OPERATING ON FILES:

- \* COMPRESSING/EXPANDING FILES
- \* PARSING FILES AND CONVERTING TO DIFFERENT FORMATS

## PERFORMING IMAGE ENHANCEMENT OPERATIONS SUCH AS:

- \* AUTOMATIC COLOR CORRECTION
- \* RESAMPLING
- \* SHARPENING
- \* ROTATION
- \* GENERIC IMAGE FILTERING

ETC.

## ADDING IDENTIFIERS TO THE IMAGES SUCH AS:

- \* STAMPING THE DATE AND TIME ON THE IMAGE
- \* ADDING THE USER'S NAME
- \* ADDING CAMERA UNIQUE ID
- \* ADDING AN IMAGE UNIQUE ID
- \* ADDING THE TIME AND DATE OF TRANSMISSION

## SECURE THE IMAGE VIA:

- \* WATERMARKING IMAGES
- \* AUTHENTICATING IMAGES
- \* ENCRYPTION IMAGES

FIG. 8

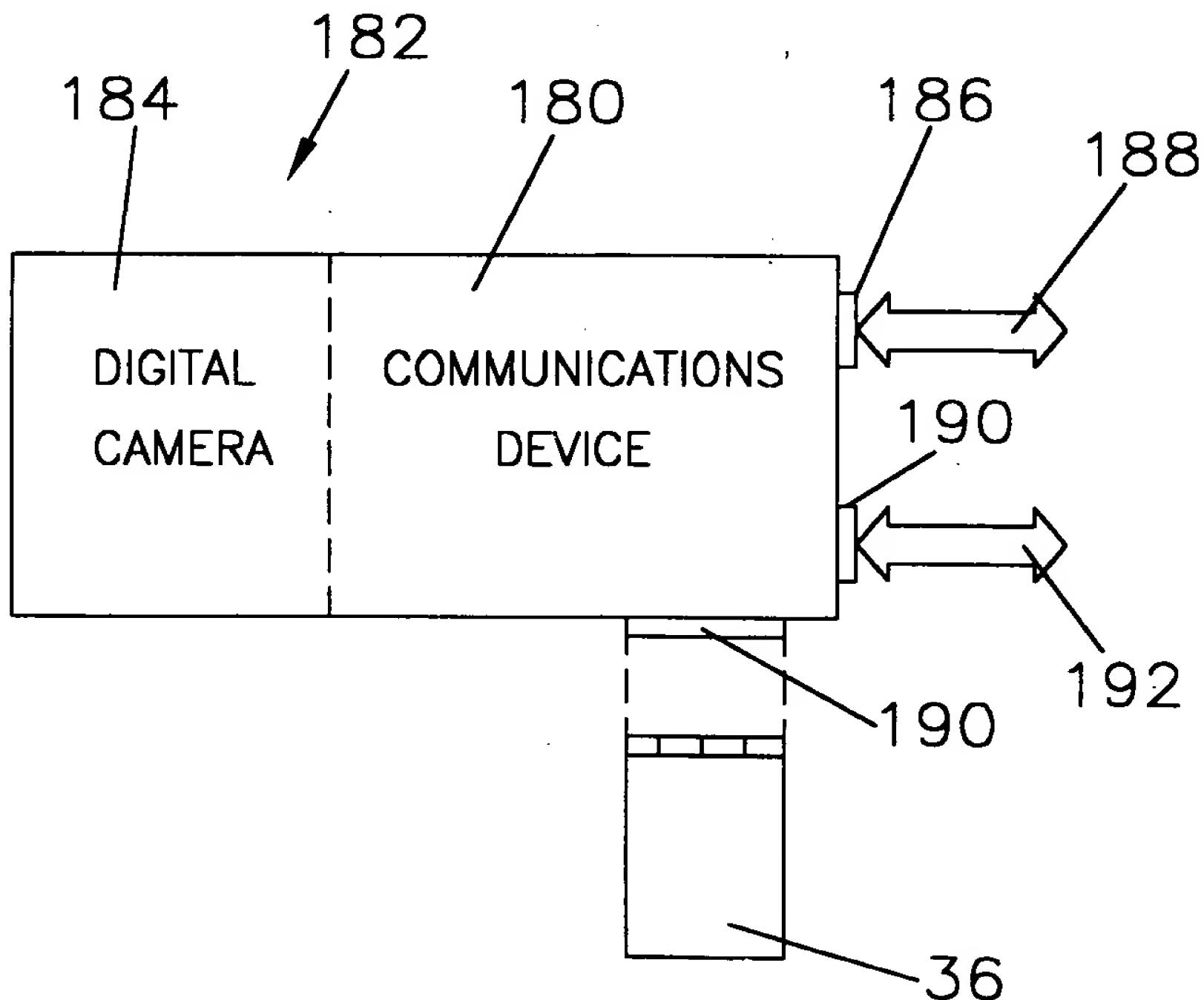


FIG. 9

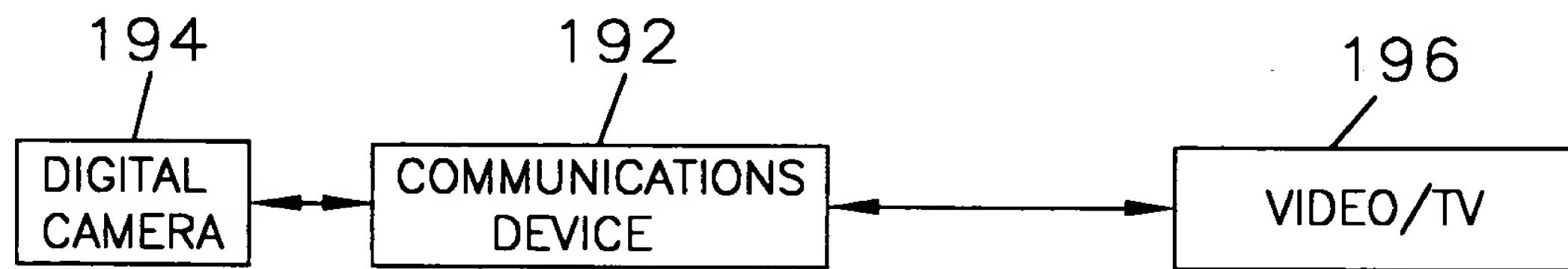


FIG. 10

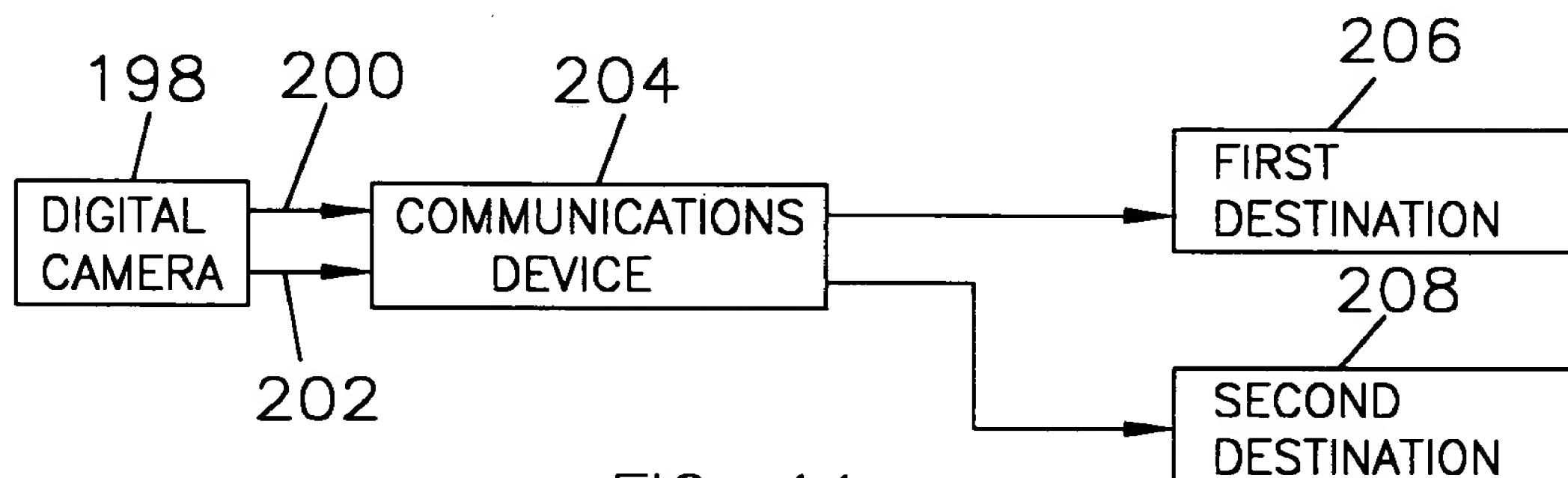


FIG. 11

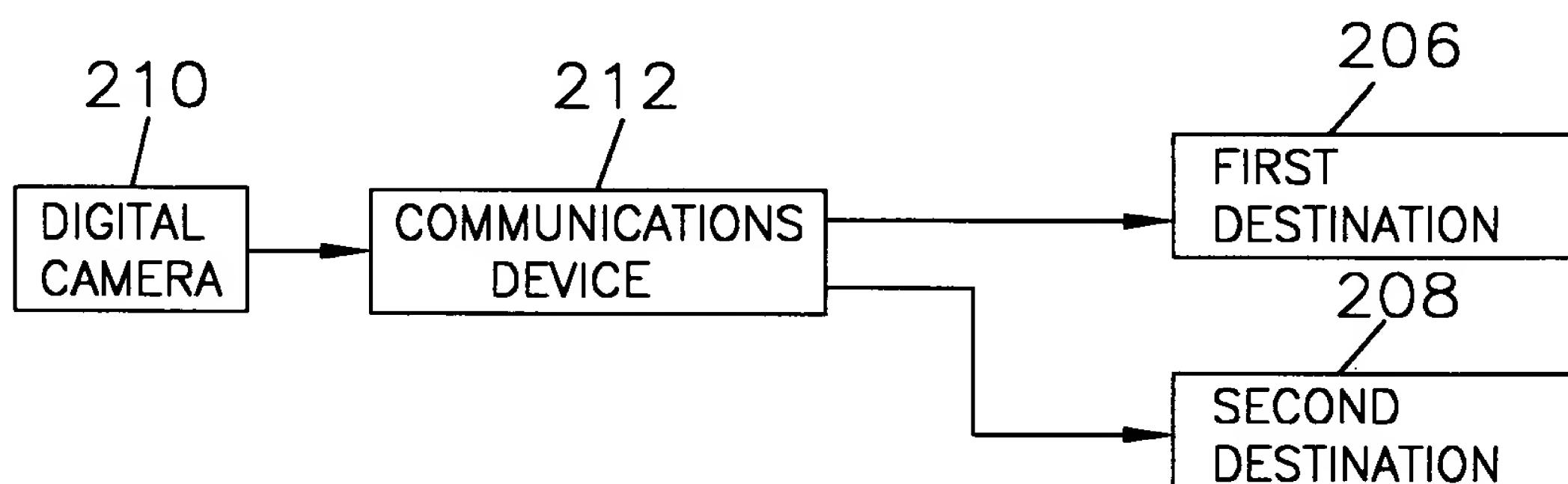


FIG. 12

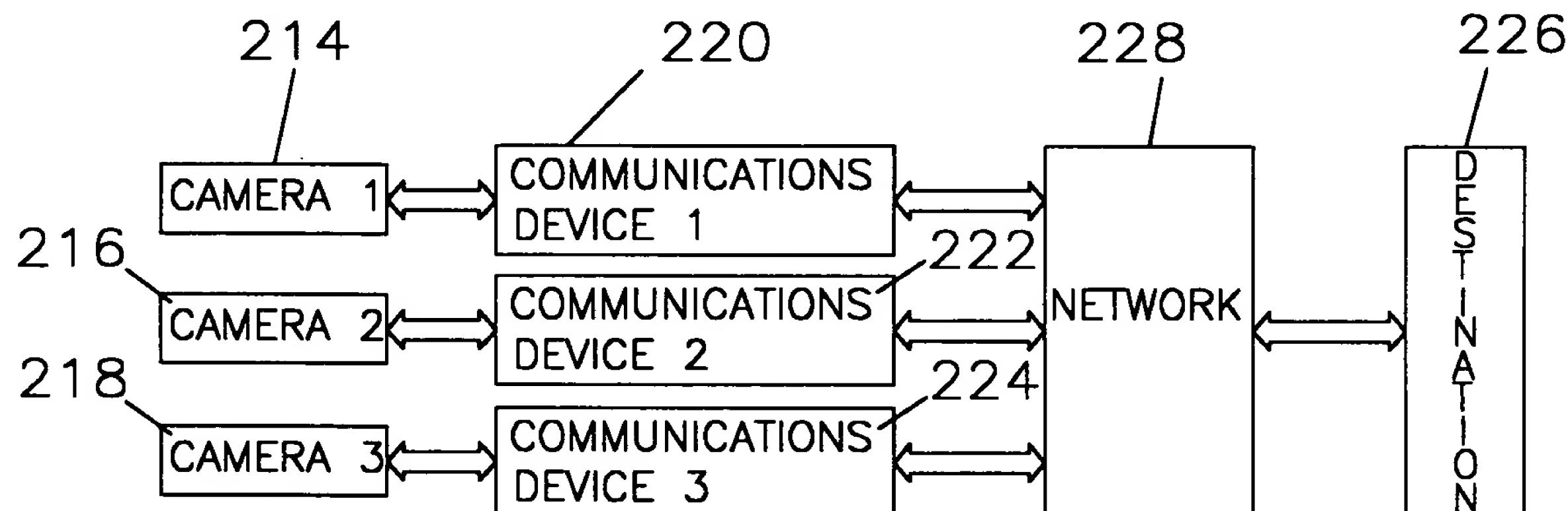


FIG. 13

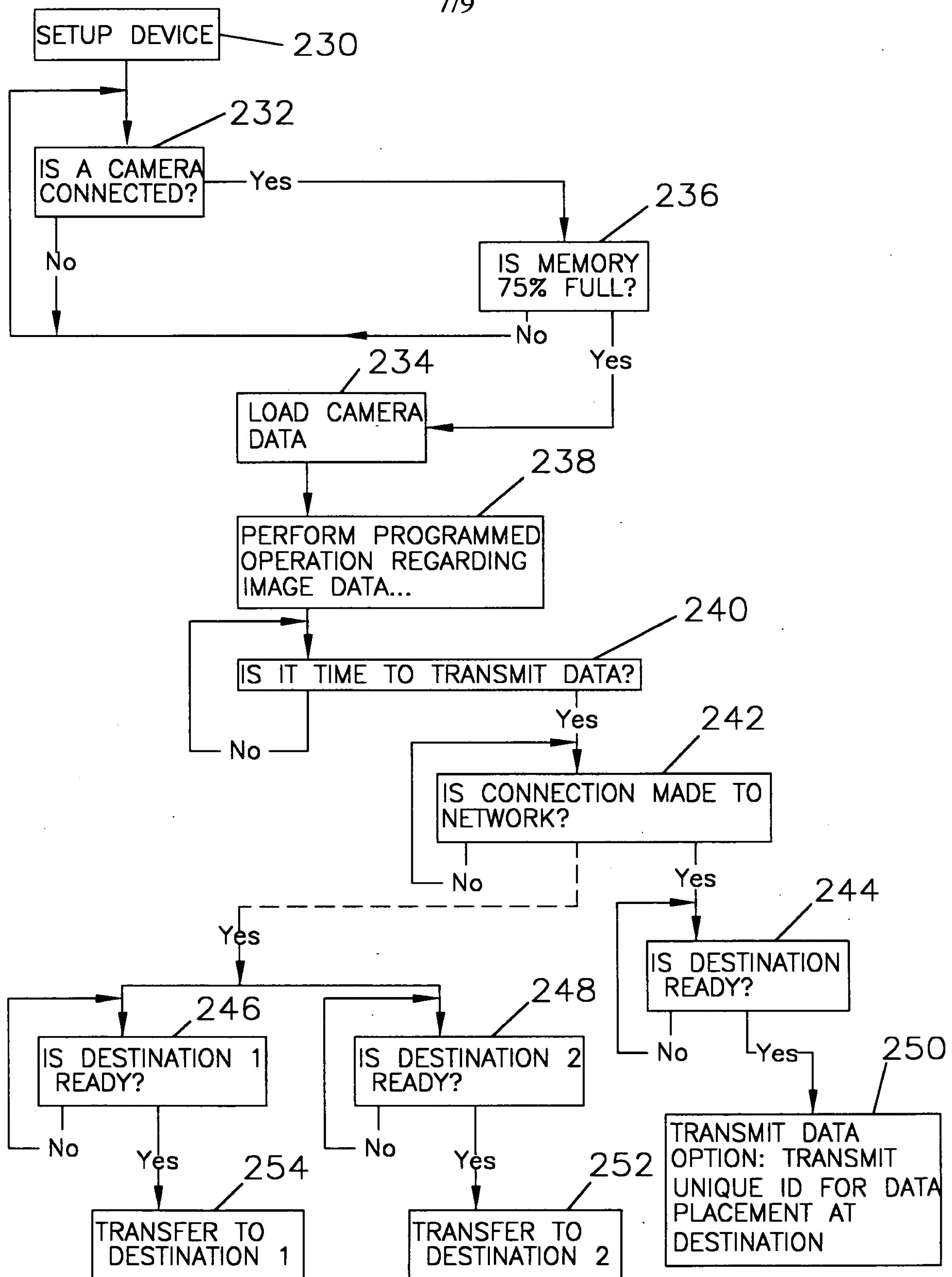


FIG. 14

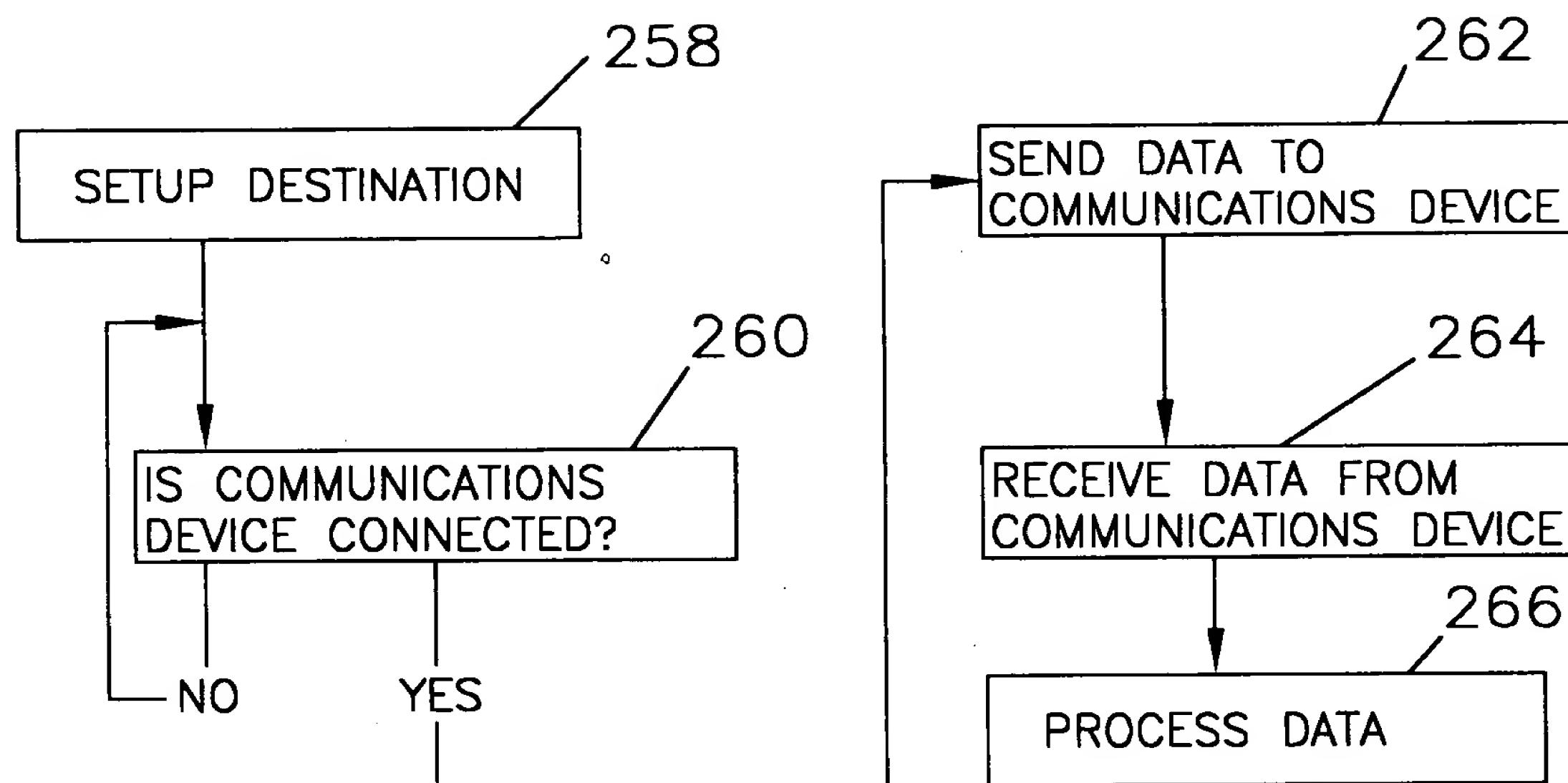


FIG. 15

DATA FROM DESTINATION TO DEVICE

1. TAKE A PICTURE AT A SET TIME OR AT INTERVALS
2. FOR IMAGE HEADER, ETC.
  - A) ACCOUNT ID
  - B) TITLE
  - C) NAME, ADDRESS, ETC.
3. OPERATIONAL DATA
  - A) WHERE TO TAKE A PICTURE
  - B) MAP OF LOCATION
  - C. CORRECTIVE NOTICES
4. INSTRUCTION TO DOWNLOAD DATA

DATA PROCESSING DESTINATION

1. ENCRYPT AND STORE DATA
2. DECRYPT DATA AND PRINT IMAGE
3. ARCHIVE THE IMAGE
4. SEND IMAGE DATA TO REMOTE LOCATION
5. PLACE IMAGE DATA ON THE WEB
6. SEND DATA BY E-MAIL WITH LOW RESOLUTION OF IMAGE
7. SEND DECRYPTED IMAGE TO A FIRST DESTINATION
8. SEND AUTHENTICATION DATA TO A SECOND DESTINATION
9. COMPARE QUESTIONABLE IMAGE DATA FROM A THIRD SOURCE WITH AUTHENTICATION DATA AND DISPLAY THE RESULT

FIG. 16

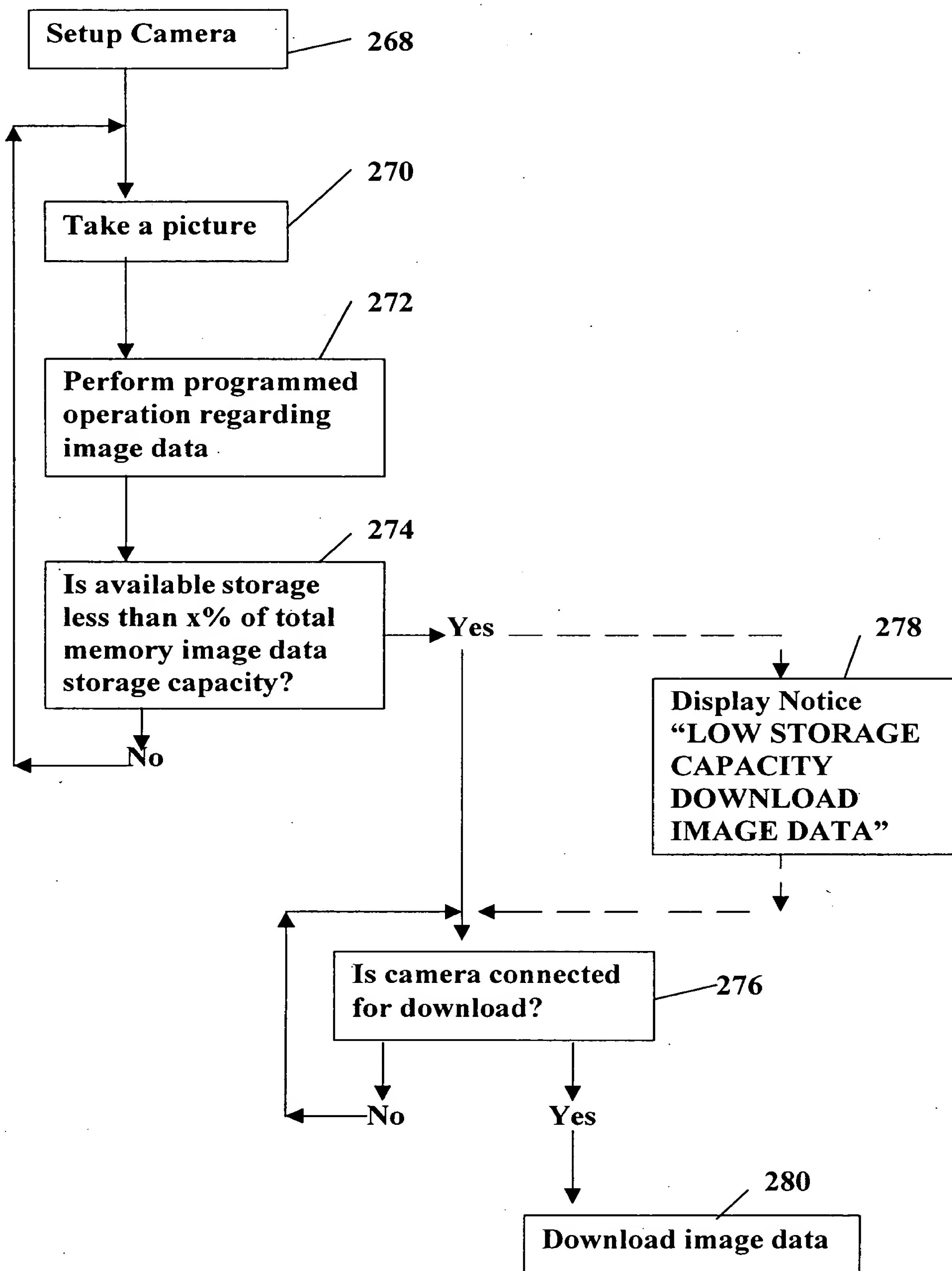


FIG. 17